



Northwest CHP Application Center

Combined Heat and Power for the states of
Alaska, Idaho, Montana, Oregon and Washington
in cooperation with the U.S. Department of Energy



Utility Relationships – A changing landscape

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By Dave Sjoding

WE HAVE COME A LONG WAYS IN FOUR YEARS

A STATE BY STATE REVIEW

Topics covered

- **Regulatory context**
- **Are projects happening?**
- **Power Purchase Agreements**
- **Interconnection**



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HISTORY – LESSONS TO UNLEARN

Examples of the past

- 1) Cogeneration – 1980s perspective**
- 2) You pay for the entire line upgrade to interconnect**
- 3) Super low price and no we won't wheel**
- 4) “The policy framework is just plain wrong”**
- 5) Hi, the Governor's Office is coming for a visit. Let's schedule it.”**



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IDAHO

Projects are happening!

- **Idaho Energy Strategy – Legislatively led**
- **25 X 25 – Major Governor focus called Idaho Strategic Energy Alliance**
- **Integrated Resource Planning with biopower/AD**
- **PURPA avoided costs**
- **Idaho Office of Energy Resources**
- **Projects: Dry Creek at 2.25 MW, Bettencourt at 2.2 MW, Big Sky West at 1.5 MW, Glanbia Foods, Whitesides (renewable gas), and Double A at 4.5 MW under construction**



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OREGON

Incentives and grants - Amazing

- **Examples:**
 - **Oregon Department of Energy – BETC at 50%**
 - **Energy Trust of Oregon – Biopower/AD**
- **OPUC – Rewrote the rules to enable DG**
- **Climate change**
- **Lots of biopower/CHP projects, but not dairy**
- **Renewable gas – Like green power purchase**



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WASHINGTON

Checkerboard of 65 utilities

- **I-937 changed the policy framework**
- **Interconnection Rules established**
- **Integrated Resource Planning required**
- **We'll go with you to the bank with PPA**
- **Wheeling of power**
- **Climate Change**
- **Now we have few projects - Wanted 135 systems**
- **Some utilities are not fully supportive**



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POWER OR RENEWABLE GAS

- **Renewable gas is coming – Gas Technology Institute is pushing this**
- **Think through both options**
- **Both have costs and somewhat different revenue streams**
- **Distance to pipeline or 3 phase power**
- **Natural gas is becoming increasingly plentiful – Price is falling**



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SOME OBSERVATIONS

- **This is a very different landscape than four years ago**
- **It is continuing to change/improve**
- **Carbon credits are valuable – Guard them**
- **Maximize your revenue streams**



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FURTHER INFORMATION

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